

The GeoKnow Project

Linking Geospatial Data (London, 5th - 6th March 2014)

Claus Stadler

Collaborative Project 2012-2015
Information and Communication Technologies
Project No. 318159
Start Date 01/12/2012



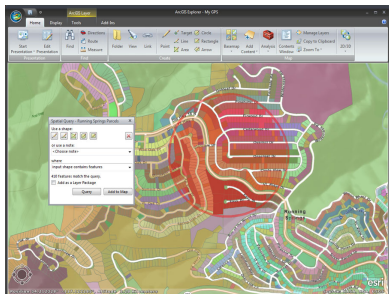
2014-03-05

Status

- Semantic technologies for exposing, sharing, and connecting pieces of data on web using RDF
- Large Spatial Databases (OpenStreetMaps, Google Maps etc.) and GIS systems required for many applications

Goal

- Enhance the Web as a global, distributed platform for data, information and knowledge integration by combining GIS and semantic technologies



7 partners, 4.5 mio budget, December 2012 - December 2015

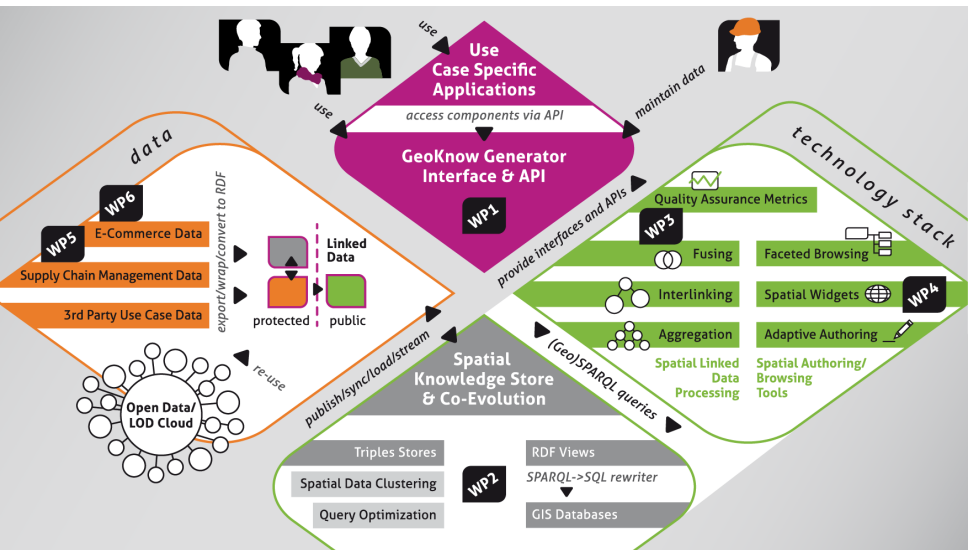


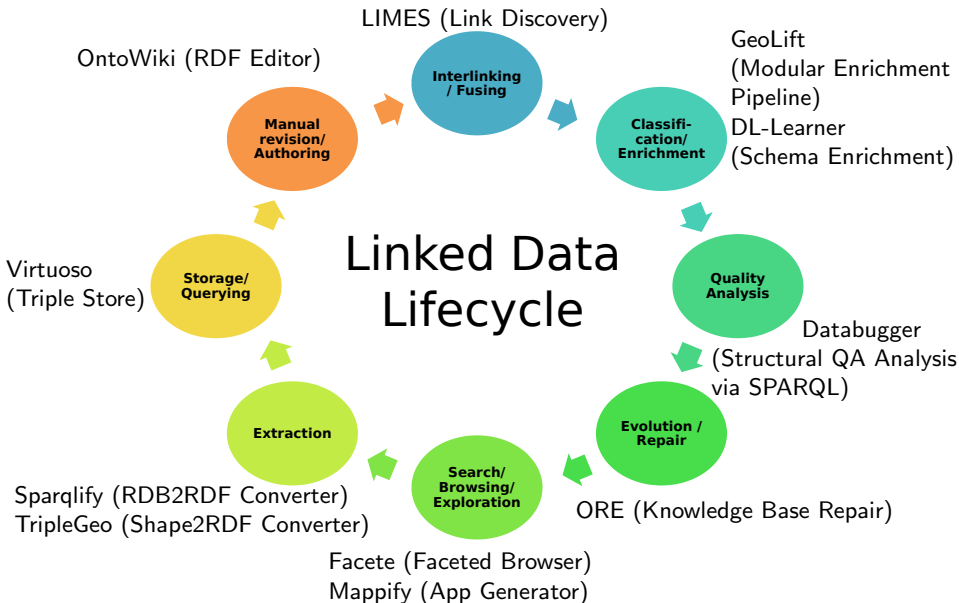
Information Excellence



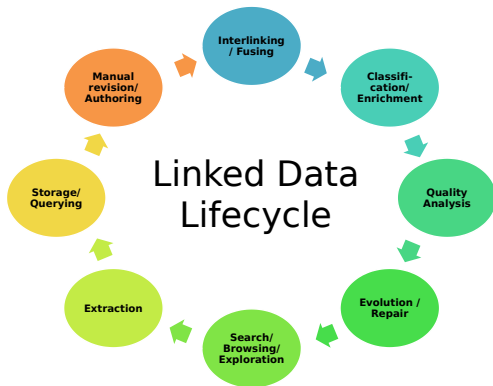
INZY IMIS







- **Linked Data Stack**
(<http://stack.linkeddata.org>)
provides a consolidated repository
of Debian packages of these tools



Re-usable by other Linked Data Projects

- Common interface and integration of geospatial Linked Data Stack tools


Workbench
Settings
Account
About

Data Sources
Datasets
Components

Data Sources

SPARQL Endpoint

Add new Endpoint

Action	Uri	Label	Endpoint	Homepage
 	:Dbpedia	Dbpedia	http://dbpedia.org/sparql	http://dbpedia.org/
 	:GeoLinkedDataEs	Spanish GeoLinkedData	http://geo.linkeddata.es/sparql	http://geo.linkeddata.es/
 	:LinkedGeoData	LinkedGeoData	http://linkedgeodata.org/sparql	http://linkedgeodata.org
 	:osm-semantic-network	OSM Semantic Network	http://spatial.ucd.ie/fod/sparql	http://wiki.openstreetmap.org/wiki/OSM_Semantic_Network
 	:oxpoints	OxPoints (University of Oxford)	https://data.ox.ac.uk/sparql/	https://data.ox.ac.uk/doc/dataset/oxpoints

Relational Databases

Add new Database

Action	Uri	Label	Type	Host	Name	Port
 	:AthenaShapes	A db example with shape data	PostGIS	127.0.0.1	athena	5432

DropYa and TruckYa

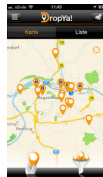
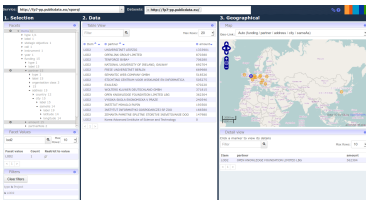
- Continental is publishing information about POIs „next to the road“ on mobile devices focussing on different user groups ,
 - Motorway service areas (incl. fitness center, restaurant, toilet, hostel)
 - Sights: information about museums, playgrounds, famous people birthplaces

Selection of (Geospatial) RDF-Graphs

Facetted Filtering, Extraction of related RDF-Ressources using Facete

Refinement, Transformation, Editorial Process

Visualization in Dropya



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Upcoming Event: European Data Forum 2014, Athens, March 19-21

Thanks for your attention!